

Title (en)

Barley with reduced SSII activity and starch and starch containing products with a reduced amylopectin content

Title (de)

Gerste mit reduzierter SSII-Aktivität und Stärke und stärkehaltige Produkte mit reduziertem Amylopektin Gehalt

Title (fr)

Orge possédant une activité enzymatique SSII limitée et amidon et produits contenant de l'amidon et une teneur limitée en amylopectine

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Application

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Priority

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Abstract (en)

[origin: WO0237955A1] Barley with reduced SSII activity has a starch structure with reduced amylopectin content and a consequent high relative amylose content. Additionally the grain has can have a relatively high beta glucan content. The structure of the starch may also be altered in a number of ways which can be characterised by having a low gelatinisation temperature but with reduced swelling. The viscosity of gelatinised starch of the starch is also reduced. There is a chain length distribution of the amylopectin content and a low crystallinity of the starch. The starch is also characterised by having high levels of lipid associated starch exhibiting very high levels of V form starch crystallinity. The dietary fibre content of the starch is high. This has desirable dietary and food processing characteristics.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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